DEC 1 7 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EC	
In re Patent Application of)
NAKAE et al.)
Application Number: 09/527,440	Art Unit 1631 # 20/6
Filed March 17, 2000	Art Unit 1631 # 20/6 Examiner Clow, Lori A Plunke
For: PRIMER DESIGN SYSTEM	12/19/
Attorney.Docket No. HIRA.0003	RECEIVED
Honorable Assistant Commissioner	DEC 1 9 2002
for Patents	TECH CENTER 1600/2900
Washington, D.C. 20231	# LOTT OF 141 FU 1000/5900

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This is in response to the office action dated September 25, 2002, in the above identified application, the period for response to which will expire on December 25, 2002. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE CLAIMS:

Please substitute claims 1, 30 and 34 with the following amended claims:

1. A primer design system, comprising:

means for selecting at least one genomic DNA nucleotide sequence from a database including a plurality of DNA nucleotide sequences;

means for predicting a plurality of exons of said selected DNA nucleotide and for storing positions of the predicted exons;

means for using each of the predicted exons as a template to design one corresponding primer pair for each of the predicted exons and for designing corresponding primer pairs for the predicted exons simultaneously; and

means for automatically collating said plurality of primer pairs with said predicted exons and the DNA nucleotide sequence.



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COVER LETTER

The fee for submission of additional claims via facsimile is calculated as shown below: []

Sir:

For	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS PAID	Rате	CALCULATION
Total Claims	18	18	(Over 20)	x \$18	0
Independent Claims	7	7	4 (Over 3)	x \$84	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$280	0
	LING BY SMALL ENTITY IFIED STATEMENT MUS	(note 37 C.F.R. §§ 1.9, 1.2° T BE ATTACHED	7, 1.28).	x ½	
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In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

[x Response to Office Action	[] Petition for Extension of Time
(with Claim Amendments)	[] Terminal Disclaimer
[] Information Disclosure Statement	[] Letter to Draftsperson
[] Preliminary Amendment	[] Assignment
[] Substitute Specification	[] Petition under
[] Other	

[]	Please charge my Deposit Account Number in the amount of to cover the fees for A duplicate copy of this paper is enclosed.
[]	A check in the amount of \$0.00 to cover the fee is enclosed.
[x]	The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to Deposit Account Number 08-1480 .
	Respectfully submitted,
3110 Suite Falls (703)	Stanley P. Fisher Registration Number 24,344 Uran Carlos A. Marquez Registration No. 34,072 O SMITH LLP Fairview Park Drive 1400 Church, Virginia 22042 641-4200 nber 17, 2002